

Preliminary



The VideoJet 8000 video server combines simultaneous MPEG-2 and MPEG-4 transmission with professional alarm features for up to 8 non-multiplexed channels.

MPEG-2, the digital video compression standard originally developed for broadcasting, produces extremely sharp pictures with superb detail. In case of strictly limited bandwidth the more compact MPEG-4 standard hits the spot.

Compatible with PAL or NTSC sources its video signal can be displayed on a PC using VCS software decoder VIDOS or a web browser.

The VideoJet 8000 can be used as a desktop device or slotted in a 19" rack (1 HU), providing an aggregate frame rate of 480 fields/s.

HIGHLIGHTS

- ❑ 8 simultaneous non-multiplexed video streams in broadcast quality
- ❑ Fully interlaced video support
- ❑ 10/100/1000 Base-T Gigabit-Ethernet interface
- ❑ Dual simultaneous encoding MPEG-2 and MPEG-4
- ❑ USB interface for WLAN or local storage
- ❑ Web browser interface, OSD and built-in LCD
- ❑ Integrated video scene analysis
- ❑ Multicasting and Internet Streaming
- ❑ Modular digital CCTV Matrix

TECHNICAL DATA

Specifications

Video Standards	ISO/IEC 13818-2 (MPEG-2) MP@ML ISO/IEC 14496 (MPEG-4)
Audio Standards	ISO/IEC 11172-3 (MPEG-1) Layer I/II; 300 Hz - 10 kHz (MPEG-2) G.711 (MPEG-4)
Multiplex Standards	ISO/IEC 13818-1 (MPEG-2)
Data Rate	1 MBit/s - 8 MBit/s (MPEG-2) 9.6 kBit/s - 1.5 MBit/s (MPEG-4) Constant & variable
Stream Types	Elementary, program stream
Video Encoder	MPEG-2: 720 x 576 full D1, 352 x 288 CIF MPEG-4: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF GOP structure: I, IP, IBP, IBBP Low latency mode Overall delay (IP): 198/170 ms (PAL/NTSC, MPEG-2) 150 ms (MPEG-4) Field/frame based coding Selectable frame rate: 1-50/60 fields/s
Audio Encoder	Sampling rate: 48 kHz
Network Protocols	RTP, RTCP, UDP, TCP, IP, HTTP, IGMP, ICMP, ARP, DHCP, SNMP
Software Update	Flash ROM, remote programmable
Configuration	Via Web browser, built-in Web server, OSD, built-in LCD

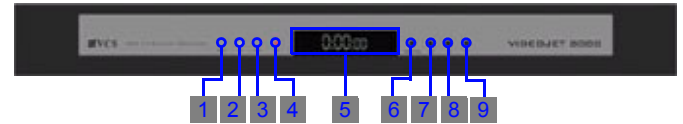
Interfaces

Video In	8 x analog composite: NTSC or PAL; BNC connector, 75 Ω switchable, 0.7-1.2 Vpp
Video Out	1 x analog composite: NTSC or PAL; BNC connector, 75 Ω, 1 Vpp
Audio In	1 x stereo line in, stereo jack 3.5 mm, 3 Vpp, ca. 50 kΩ
Audio Out	1 x stereo line out, stereo jack 3.5 mm, 2.5 Vpp, 60 mW, min. 8 Ω
Trigger Input	8 x clamp (non-isolated closure contact type), max. 24 V, max. activation resistance 10 Ω
Relay Output	1 x clamp, 30 Vpp, 1 A
COM-Port	1 x RS232/422/485, RJ45
Ethernet	10/100/1000 Base-T, autosensing, half/full duplex, RJ45
USB	1.1 external interface for WLAN or local storage
VGA	1 x fem. 15-pin VGA connector for monitor, max. resolution 1280 x 1024

Power, Environmental, Approvals

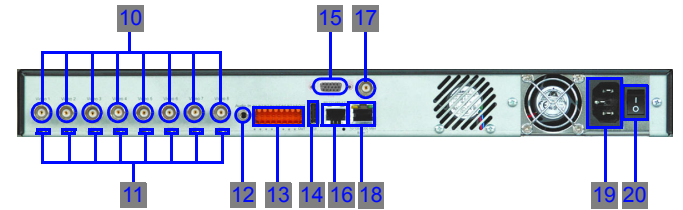
Input Voltage	90 - 250 VAC, 50/60 Hz
Power Cons.	Max. 33 VA
Weight	TBD
Operating Temp.	0 - 50 °C ambient temperature
Humidity	20 - 80%, atmospheric humidity (not cond.)
Approvals	CE: IEC 60950; UL 1950; J 60950; AS/NZS 3548; EN 55103-1,-2; EN 55130-4; EN 55022; EN 55024; EN 61000-3-2; EN 61000-3-3; FCC 47 CFR Ch.1 Part 15

Front



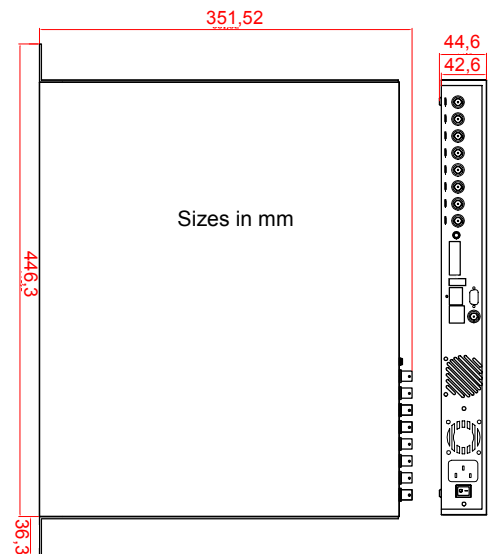
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|------------------------|-------------|
| 1 LED POWER | 6 Menu/Exit |
| 2 Infrared receiver IR | 7 Set |
| 3 LED HDD | 8 Up |
| 4 LED FAIL | 9 Down |
| 5 LCD Display | |

Rear



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|--------------------------------------|-------------------------------|
| 10 Video inputs (8) | 15 VGA port |
| 11 75Ω Video Termination on/off (8) | 16 RS232/422/485 port |
| 12 Audio In | 17 Video output |
| 13 Alarm inputs (8) and relay output | 18 Gigabit-Ethernet interface |
| 14 USB interface | 19 Power connector |
| | 20 Power on/off |

Dimensions



ORDERING INFORMATION

Article-Code	Description
2906	VideoJet 8000 Server
On request	Web Toolkit, VCS SDK, RCP+ Reference

Content of Delivery

- VideoJet 8000 MPEG-2/4 Network Video Server incl. mains cable (EU, UK, US or AUS)
- RS232 Null modem, cable, 1 HU Rack mount kit
- 'Quick Installation Guide' (german/english)
- CD-Rom with manual (german/english) and VCS software



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